

	Application No.	Applicant(s)
Notice of Allowability	09/802,464	BAWOLEK ET AL.
	Examiner	Art Unit
	José R. Díaz	2815
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.		
1. A This communication is responsive to 11/15/04.		
2.  The allowed claim(s) is/are 23,25,26 and 28.		
3. 🔀 The drawings filed on 10 May 2004 are accepted by the Examiner.		
<ul> <li>4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some* c) None of the: <ol> <li>Certified copies of the priority documents have been received.</li> <li>Certified copies of the priority documents have been received in Application No.</li> <li>Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).</li> </ol> </li> <li>* Certified copies not received: <ol> <li>Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.</li> </ol> </li> <li>THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.</li> </ul>		
5. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.		
<ul> <li>6. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.</li> <li>(a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached</li> <li>1) hereto or 2) to Paper No./Mail Date</li> <li>(b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date</li> <li>Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).</li> </ul>		
7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.		
<ul> <li>Attachment(s)</li> <li>1.  Notice of References Cited (PTO-892)</li> <li>2.  Notice of Draftperson's Patent Drawing Review (PTO-948)</li> <li>3.  Information Disclosure Statements (PTO-1449 or PTO/SB/0: Paper No./Mail Date</li> <li>4.  Examiner's Comment Regarding Requirement for Deposit of Biological Material</li> </ul>	6. ☐ Interview Summary Paper No./Mail Dat 8), 7. ⊠ Examiner's Amendm	e

## **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with William Thomas Babbitt (Reg. No. 39,591) on January 19, 2005.

The application has been amended as follows:

23. (Currently Amended) A method comprising:

exposing a plurality of photodiodes formed on a first layer of a substrate of an image sensor to a light source;

modifying a light receiving area of a first photodiode and a second photodiode by the use of one or more light shields formed on at least a different second layer of the sensor substrate, such that, for a given size of light receiving area, a first photodiode is exposed to a greater amount of incident light than a second photodiode; and

wherein modifying the light receiving area comprises modifying on the basis of a responsivity of a color assigned to one of the first photodiode and the second photodiode.

24. (Cancelled)

Application/Control Number: 09/802,464

Art Unit: 2815

Page 3

25. (Previously Presented) The method of claim 23, wherein modifying the light receiving area comprises masking a portion of one of the first photodiode and the second photodiode from incident light.

26. (Currently Amended) A method comprising:

providing an image sensor comprising a plurality of pixels formed on a first layer of a sensor substrate;

modifying a light receiving area of alternate pixels by the use of one or more light shields formed on at least a different second layer of the sensor substrate, such that, for a given size of light receiving area, a first pixel is exposed to a greater amount of incident light than a second pixel; [[and]]

capturing an incident light; and

wherein modifying the light receiving area comprises modifying on the basis of a responsivity of a color assigned to one of the first pixel and the second pixel.

27. (Cancelled)

28. (Previously Presented) The method of claim 26, wherein modifying the light receiving area comprises masking a portion of one of the first pixel and the second pixel from the incident light.

Page 4

2. The following is an examiner's statement of reasons for allowance: the prior art

fails to teach, disclose, or suggest, either alone or in combination, the step of modifying

a light receiving area based on the responsivity of a color assigned to one of the first

and second photodiodes.

Any comments considered necessary by applicant must be submitted no later

than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance."

Correspondence

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to José R. Díaz whose telephone number is (571) 272-

1727. The examiner can normally be reached on Monday through Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Tom Thomas can be reached on (571) 272-1664. The fax phone number

for the organization where this application or proceeding is assigned is 703-872-9306.

Application/Control Number: 09/802,464

Art Unit: 2815

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

JRD 1/21/05

Page 5